

**Subject**

**OIL LEAK FROM TRANSFER BOX REAR OUTPUT FLANGE**

**Model: X-TYPE 2.5/3.0L Vehicles**

**Year: 2001.5 to 2002**

**VIN C00294 to D01489**

**Section: 308**

**Manual Transmission and Clutch**

**Sub-Section: 308-07**

**Transfer Case**

**Summary**

This Technical Bulletin has been issued due to the possibility of oil leaking from behind the transfer box rear output flange securing nut.

**Action**

On a customer complaint basis only, if an oil leak is evident from between the transfer box rear output flange and driveshaft front Constant Velocity (CV) joint, or from the rear of the driveshaft front CV joint boot, follow the workshop procedure outlined below.

**Workshop Procedure**

- 1 Raise vehicle on twin post lift.
- 2 Mark driveshaft front CV joint to transfer box rear output flange relationship to ensure same orientation when re-assembled.
- 3 Undo, remove and discard driveshaft front CV joint to transfer box rear output flange securing screws and locking links (see Fig. 1).

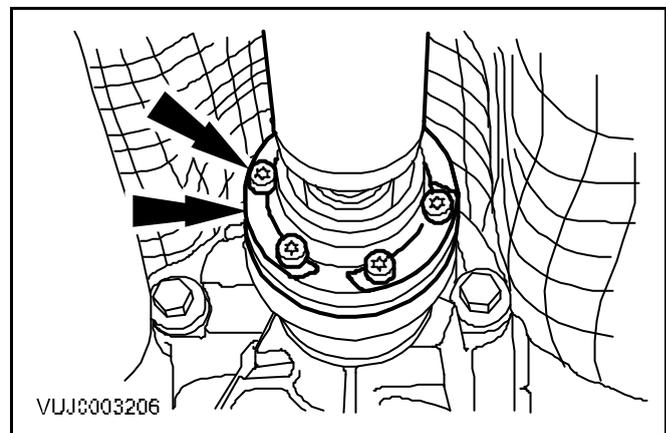


Fig. 1

**WARNING: OIL MAY DRAIN FROM CAVITY WHEN DRIVESHAFT IS DISPLACED FROM FLANGE.**

**CAUTION: DO NOT ALLOW THE DRIVESHAFT TO HANG FROM THE CENTER BEARING/JOINT AS DAMAGE MAY OCCUR.**

- 4 Displace driveshaft front CV joint from transfer box rear output flange, remove and discard gasket and secure driveshaft to one side.
- 5 Using suitable securing screws install special tool 205-053 to transfer box rear output flange.
- 6 Undo and remove transfer box rear output flange securing nut.

**Note: Do not displace the flange from the output shaft.**

- 7 Remove special tool 205-053 from transfer box rear output flange.

- 8 Using suitable solvent/cleaner, remove all traces of oil from transfer box rear output flange and exposed threads of output shaft.
- 9 Apply sealer (C2S 12099) to area of transfer box rear output flange where securing nut seats (see Fig. 2).

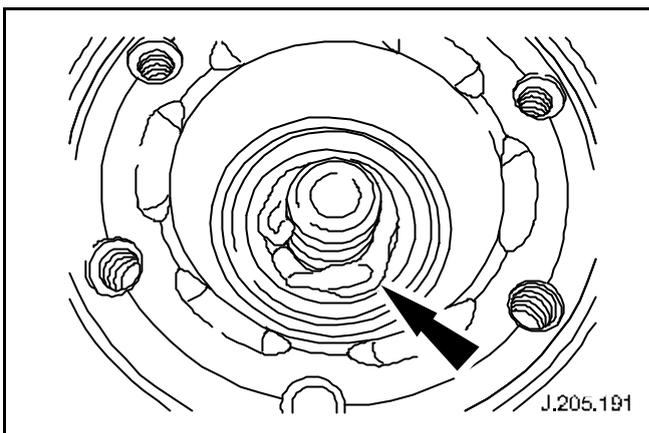


Fig. 2

- 10 Using suitable securing screws install special tool 205-053 to transfer box rear output flange.
- 11 Apply sealer (C2S 12099) to mating face of transfer box rear output flange securing nut (see Fig. 3).

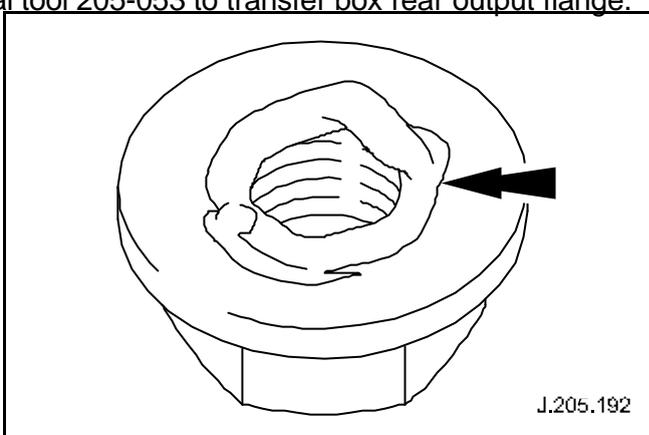


Fig. 3

- 12 Install transfer box rear output flange securing nut and tighten to 160 Nm.
- 13 Remove special tool 205-053 from transfer box rear output flange.
- 14 Remove and discard grease from driveshaft front CV joint.
- 15 Re-pack driveshaft front CV joint with two sachets of grease.
- 16 Install new gasket and align driveshaft front CV joint to transfer box rear output flange.
- 17 Install new locking links and driveshaft front CV joint to transfer box rear output flange securing screws and tighten to 44 Nm (see Fig. 4).

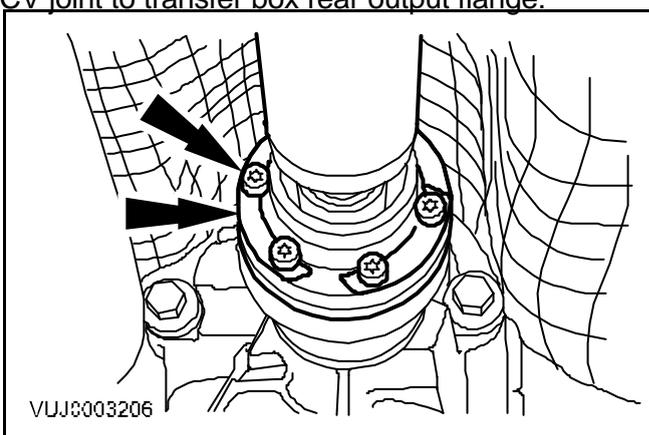


Fig. 4

- 18 Lower twin post lift.

**Parts Information**

The following parts must be ordered via Jaguar Cars Parts Operations (or through NSC/Importer).

<b>Description</b>	<b>Part Number</b>	<b>Quantity</b>
Driveshaft Bolts	C2S 16374	6
Locking Links	C2S 4724	3
Gasket	C2S 22210	1
Grease	C2S 28304	2

**Warranty Information**

<b>Description</b>	<b>SRO</b>	<b>Labor Time Allowance</b>	<b>Warranty Code</b>	<b>Causal Part</b>
Transfer box rear output flange oil leak – Service fix	46 91 02	0.5 Hours	FT-BC-D8	C2S 17998